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Relevance scale **1 Risk factors in enterprise wide information management systems projects** Mary SumnerApril 2000 **Proceedings of the 2000 ACM SIGCPR conference on Computer personnel research SIGCPR '00****Publisher:** ACM PressFull text available:  [pdf\(620.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In the past several years many organizations have initiated enterprise-wide information management systems projects, using such packages as SAP, Peoplesoft, and Oracle. These projects often represent the single largest investment in an information systems project in the history of these companies, and in many cases the largest single investment in any corporate-wide project. These enterprise-wide information management systems projects bring about a host of new questions, because they repre ...

2 Innovation, management & strategy: Shaping new health services landscapes: the case of DocMorris.com Hans P. Borgman, Hauke Heier, Andreas KemperMarch 2004 **Proceedings of the 6th international conference on Electronic commerce ICEC '04****Publisher:** ACM PressFull text available:  [pdf\(162.74 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The recent literature investigating the European health care market's efficiency has repeatedly pointed at chronic underperformance and wastefulness. Our analysis goes beyond this critic and investigates the opportunities and limitations of e-Pharmacies as an innovative, technology-based approach to the development of new services landscapes in order to restructure the German health care market. The new prospects are analyzed based on a case study of DocMorris.com. Results of the analysis indica ...

Keywords: customer privacy, customer satisfaction, data security, distribution channels, e-Commerce, health care, online pharmacies

3 Trust in systems development: a model of management and developer interaction research in progress Mark A. Serva, Mark A. Fuller, Roger C. Mayer

April 2000 **Proceedings of the 2000 ACM SIGCPR conference on Computer personnel research SIGCPR '00**

Publisher: ACM Press

Full text available:  pdf(304.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Systems analysis and design (SAD) is often considered to be a technical task; indeed, in many cases exposure to SAD at the college level is an extension of a programming and database management course. Most information systems (IS) professionals would agree, however, that SAD requires communication skills, management skills, and organizational skills in addition to analytical and technical abilities. Further complicating the social dynamics of the situation, many systems are now developed b ...

4 **Data visualization for strategic decision making**

 Angela Shen-Hsieh, Mark Schindl

April 2002 **Case studies of the CHI2002|AIGA Experience Design FORUM CHI '02**

Publisher: ACM Press

Full text available:  pdf(4.02 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Organizations large and small continuously strive to improve strategic decision-making. Strategic decision-making (distinguished from *operational* decision making) involves making substantial investments of resources over long periods of time before results are evident. These decisions are made using quantitative *and* qualitative information - experience, intuition, and subjective assessment. These are *people* decisions, not decisions made by machines. So, how can data in ...

Keywords: data visualization, decision science, decision support, enterprise applications, enterprise information systems (EIS), enterprise resource planning (ERP), executive dashboards, information architecture, information visualization, strategic decision making

5 **Research Contributions: Measuring organizational IS effectiveness: an overview and**

 update of senior management perspectives

Peter B. Seddon, Valerie Graeser, Leslie P. Willcocks

June 2002 **ACM SIGMIS Database**, Volume 33 Issue 2

Publisher: ACM Press

Full text available:  pdf(333.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper reports the views of 80 senior IT managers about IT evaluation approaches, and the benefits that IT provides for their organizations. Their views were obtained through a survey mailed to medium to large organizations in both Europe and the US. The survey sought answers to three questions: How does the senior IT manager's organization assess the value of its (1) overall IT investment portfolio? (2) individual IT projects and applications? (3) IT function? Questions for the survey were ...

Keywords: IS effectiveness, IS evaluation, IS success, IT benchmarking, IT evaluation, IT outsourcing, balanced scorecard, feasibility studies, post-implementation review

6 **Special issue on critical analyses of ERP systems: the macro level: ERP project**

 dynamics and enacted dialogue: perceived understanding, perceived leeway, and the nature of task-related conflicts

Patrick Besson, Frantz Rowe

September 2001 **ACM SIGMIS Database**, Volume 32 Issue 4

Publisher: ACM Press

Full text available:  pdf(2.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

terms

Different views on change and IT- related outcomes have been proposed in the literature. Most privilege the technological deterministic and organizational imperative positions. This article introduces two types of process views on change arising from designers' inability to forecast the impacts of ERP on work and governance:• a dialectical process due to the lack of perceived leeway by the actors, and• a teleological process view, where actors feel they have more leeway and where they ...

Keywords: Enterprise Resource Planning, process model

7 A comparison of three user interfaces to relational microcomputer data bases

Carl Medsker, Margaret Christensen, Il-Yeol Song
March 1995 **ACM SIGMOD Record**, Volume 24 Issue 1

Publisher: ACM Press

Full text available:  pdf(777.50 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

PAYOUT IDEA. Different styles of user interfaces can dramatically affect data base capabilities. In an environment comprising many different data bases, the goal is to select one data base management system (DBMS) that provides the best selection of design tools, minimizes development times, and enforces relational rules. This article presents a case study performed at the Hospital of the University of Pennsylvania, in which a test data base was developed for implementation with three DBMSs, eac ...

8 Developing functional, affordable, clinical information systems: meeting a healthcare challenge of the '90s

Michael J. Buckley
August 1990 **ACM SIGCAS Computers and Society , Proceedings of the conference on Computers and the quality of life CQL '90**, Volume 20 Issue 3

Publisher: ACM Press

Full text available:  pdf(788.79 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

9 Industrial/government track: Empirical Bayesian data mining for discovering patterns in post-marketing drug safety

David M. Fram, June S. Almenoff, William DuMouchel
August 2003 **Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '03**

Publisher: ACM Press

Full text available:  pdf(461.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Because of practical limits in characterizing the safety profiles of therapeutic products prior to marketing, manufacturers and regulatory agencies perform post-marketing surveillance based on the collection of adverse reaction reports ("pharmacovigilance").The resulting databases, while rich in real-world information, are notoriously difficult to analyze using traditional techniques. Each report may involve multiple medicines, symptoms, and demographic factors, and there is no easily linked inf ...

Keywords: association rules, data mining, empirical Bayes methods, pharmacovigilance, post-marketing surveillance

10 Final report of the ANSI/X3/SPARC DBS-SG relational database task group

July 1982 **ACM SIGMOD Record**, Volume 12 Issue 4
Publisher: ACM Press

Full text available:  pdf(4.69 MB) Additional Information: [full citation](#), [citations](#)

11 [E-commerce-models, structure, mechanisms, globalization, and strategy: Electronic market and operating intermediary](#)

 Famin Yi, Lilin Diao

August 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**

Publisher: ACM Press

Full text available:  pdf(347.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Today electronic market, representing one of important trends of electronic commerce development, is making constant improvement on the diversification of market operating models, functional integration and innovation. As emerging market intermediaries, electronic market operators vary in type, business model, exchange mechanism. On the other hand, they have common in market efficiency, extent of adaptation to environment, and development prospect since they were born to accommodate to local mar ...

Keywords: electronic market, operating intermediary, pharmaceutical circulation

12 [Industry track: Circumstance-based categorization analysis of knowledge](#)

 [management systems for the japanese market](#)

Makoto Sano, David A. Evans

November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**

Publisher: ACM Press

Full text available:  pdf(118.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We conducted a survey of thirty of the approximately 1,700 customers of Justsystem Corporation's knowledge-management applications. Our goal was to discover the kinds of functions that customers hoped to address in their next-generation use of knowledge management technology and to assess the core processes that we will need to deploy in our products to address their desired solutions. In particular, we sought to analyze our customers' requirements along dimensions that take account of both t ...

Keywords: SECI model, affect analysis, decision support, information retrieval, knowledge management, knowledge management technology, natural language processing, ontology

13 [The IBM data warehouse architecture](#)

 Charles Bontempo, George Zagelow

September 1998 **Communications of the ACM**, Volume 41 Issue 9

Publisher: ACM Press

Full text available:  pdf(817.29 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

14 [Summary of ARTEWG workshop on distributed systems](#)

 Mike Kamrad

September 1995 **ACM SIGAda Ada Letters**, Volume XV Issue 5

Publisher: ACM Press

Full text available:  pdf(775.71 KB) Additional Information: [full citation](#), [index terms](#)

15 [IT education -- curriculum development: Integrating boinformatics, clinical informatics, and information technology in support of interdisciplinary curriculum development](#)

 Michael D. Kane, Jeffrey L. Brewer, James E. Goldman, Khalid Moidu
October 2006 **Proceedings of the 7th conference on Information technology education SIGITE '06**

Publisher: ACM Press

Full text available:  pdf(307.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recent events in both the health care and research community have increased the opportunities available for information technology and systems integration professionals. In health care, mandatory performance specifications in electronic health care records set forth by the United States federal government have placed essentially all aspects of information technology center stage within healthcare. Similarly in scientific research, the completion of the human genome in 2001 has forced researchers ...

16 [Guidance for the use of the Ada programming language in high integrity systems](#)

 B. A. Wichmann
July 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 4

Publisher: ACM Press

Full text available:  pdf(2.93 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This paper is the current result of a study by the ISO HRG Rapporteur group which is being circulated for comment. Many people have contributed to this, but those who have either attended two recent meetings of group or have made substantial e-mail comments are: Praful V Bhansali (Boeing, USA), Alan Burns (University of York, UK), Bernard Carre' (Praxis Critical Systems, UK), Dan Craigen (ORA, Canada), Nick Johnson MoD, UK), Stephen Michell (Canada), Gilles Motet (DGEI/INSA, France), George Roma ...

17 [Risk analysis: Risk analysis software tutorial II: OptFolio - a simulation optimization system for project portfolio planning](#)

Jay April, Fred Glover, James P. Kelly
December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation WSC '03**

Publisher: Winter Simulation Conference

Full text available:  pdf(522.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

OptFolio is a new portfolio optimization software system that simultaneously addresses financial return goals, catastrophic loss avoidance, and performance probability. The innovations embedded in the system enable users to confidently design effective plans for achieving financial goals, employing accurate analysis based on real data. Traditional analysis and prediction methods are based on mean variance analysis -- an approach known to be faulty. The new software system takes a much more so ...

18 [The OMG life sciences research domain task force](#)

 David Benton, Karl Konnerth, Scott Markel
December 2000 **ACM SIGBIO Newsletter**, Volume 20 Issue 3

Publisher: ACM Press

Full text available:  pdf(823.07 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The life sciences research community has long recognized the need for component-based software. Just as standard hardware interfaces make it possible to purchase the components of a hardware system from different vendors, component-based software allows system builders to choose components from a variety of vendors and assemble them to meet the unique needs of each researcher or project. Component-based software

construction depends on the availability of components that perform the required fun ...

Keywords: bioinformatics, cheminformatics, component-based software development, computational biology, computational chemistry, distributed object computing, drug discovery, genomics, research and development, software interoperability, structural biology

19 Simulation in support of software development

 Darby F. McBeath, William S. Keezer

December 1993 **Proceedings of the 25th conference on Winter simulation WSC '93**

Publisher: ACM Press

Full text available:  pdf(826.43 KB) Additional Information: [full citation](#), [references](#), [citations](#)



20 Session 5: less is more: Information security is information risk management

 Bob Blakley, Ellen McDermott, Dan Geer

September 2001 **Proceedings of the 2001 workshop on New security paradigms NSPW '01**

Publisher: ACM Press

Full text available:  pdf(756.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Information security is important in proportion to an organization's dependence on information technology. When an organization's information is exposed to risk, the use of information security technology is obviously appropriate. Current information security technology, however, deals with only a small fraction of the problem of information risk. In fact, the evidence increasingly suggests that information security technology does not reduce information risk very effectively. This paper argues t ...

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